

CLAIMS

1. A video-editing system comprising:
 - a storage medium having stored therein frames of progressively-encoded frame data, the stored frames being representative of a portion of a video stream;
 - a processing element in data communication with the storage medium, the processing element being configured to fetch, from each frame, a selected extent of the frame data.
2. The system of claim 1, wherein the processing element comprises a decoder for transforming the frame data into a form suitable for display on a display device.
3. The system of claim 1, wherein the processing element is configured to execute an editing process for receiving an instruction specifying the selected extent.
4. The system of claim 1, wherein the processing element is configured to execute an editing process to adaptively control the selected extent on the basis of traffic on a data transmission channel providing data communication between the processing element and the storage medium.
5. The system of claim 1, wherein the processing element is configured to execute an editing process to fetch an additional extent of the frame data in response to detection of a pause in displaying the video stream.
6. The system of claim 1, wherein the frame data comprises wavelet-transform encoded data.
7. The system of claim 1, wherein the frame data comprises data representative of a rendered image.
8. A method for displaying data representative of a video stream, the method comprising:
 - providing frames containing progressively-encoded frame data, the frames being representative of a portion of the video stream;

fetching a selected extent of the frame data contained in each frame; and

displaying a video stream corresponding to the selected extents.

9. The method of claim 8, wherein providing frames containing progressively-encoded frame data comprises providing frames containing wavelet-transform encoded representations of images.
10. The method of claim 8, wherein fetching a selected extent comprises receiving an instruction specifying the selected extent.
11. The method of claim 8, wherein fetching a selected extent comprises:
 - receiving an instruction specifying a desired image quality; and
 - selecting an extent consistent with the desired image quality.
12. The method of claim 8, wherein fetching a selected extent comprises:
 - monitoring data traffic on a transmission channel; and
 - determining an extent to retrieve on the basis of the traffic.
13. The method of claim 8, further comprising:
 - determining that a display of the selected extent of frame data is paused, and
 - fetching an additional extent of the frame data.
14. The method of claim 8, wherein providing frames comprises providing frame data representative of a rendered image.
15. A computer-readable medium having encoded thereon software for displaying data representative of a video stream represented by frames containing progressively-encoded frame data, the software comprising instructions for:
 - fetching a selected extent of the frame data contained in each frame; and
 - displaying a video stream corresponding to the selected extents.

16. The computer-readable medium of claim 15, wherein the frames contain wavelet transform encoded representations of images and the software further comprises instructions decoding wavelet-transform encoded images.
17. The computer-readable medium of claim 15, wherein the instructions for fetching a selected extent comprise instructions for receiving a specification of the selected extent.
18. The computer-readable medium of claim 15, wherein the instructions for fetching a selected extent comprise instructions for:
 - receiving an specification of a desired image quality; and
 - selecting an extent consistent with the desired image quality.
19. The computer-readable medium of claim 15, wherein the instructions for fetching a selected extent comprise instructions for:
 - monitoring data traffic on a transmission channel; and
 - determining an extent to retrieve on the basis of the traffic.
20. The computer-readable medium of claim 15, wherein the software further comprises instructions for:
 - determining that a display of the selected extent of frame data is paused, and
 - fetching an additional extent of the frame data.